Technical Data Muki PVB 2-Pack



Product description

Muki PVB 2-Pack is a vinyl phenolic resin modified quick drying primer with a very low content of free phenol.

Recommended use

To be used as a preconstruction primer on blast cleaned steel surfaces in automatic shoppriming plants to protect steel during transport, storage and production.

Film thickness and spreading rate

	Minimum	Maximum
Film thickness, dry (μm)	20	30
Film thickness, wet (μm)	155	230
Theoretical spreading rate (m²/l)	6,5	4,3
Comments		

Dry film thickness measured on a smooth test panel.

Physical properties

Colour	Grey, Red	
Solids (vol %)*	13 ± 2	
Flash point	-5ºC ± 2 (Setaflash)	
VOC	710 gms/ltr UK-PG6/23(97). Appendix 3	
VOC	To ginshir ok-PG0/23(97). Appendix 3	
Gloss	Flat	
Water resistance	Very good	
Abrasion resistance	Good	
Solvent resistance	Limited	
Flexibility	Good	
*Measured according to ISO 3233:1998 (E)		

Surface preparation

All surfaces should be clean, dry and free from contamination. The surface should be assessed and treated in accordance with ISO 8504.

Bare steel

Cleanliness: Blast cleaning to Sa 2½ (ISO 8501-1:2007). Roughness: using abrasives suitable to achieve grade Fine to Medium S/G (30-85 μ m, Ry5) (ISO 8503-2)

Other surfaces

The coating may be used on other substrates. Please contact your local Jotun office for more information.

Condition during application

The temperature of the substrate should be minimum at least 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. Relative humidity in the air should not exceed 85% prior to application. Recommended steel temperature: 30-40°C.

Application methods

Spray	Use airless spray or conventional spray
Brush	Recommended for touch-up purposes.

Application data

Mixing ratio (volume)	19.5 parts Comp. A (base) to be mixed thoroughly with 0,5 parts Comp. B (curing agent).
Pot life (23°C)	2-3 weeks
Thinner/Cleaner	Jotun Thinner No. 4/11 (No. 4 - Fast evaporation) - (No. 11 - Slow evaporation)
Guiding data airless spray	
Pressure at nozzle	5-8 MPa (50-80 kp/cm² 700-1120 psi).
Nozzle tip	0.38-0.58 mm (0.015-0.023).
Spray angle	40-95°
Filter	Check to ensure that filters are clean.

Drying time

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with:

- * Good ventilation (Outdoor exposure or free circulation of air)
- * Typical film thickness
- * One coat on top of inert substrate

Substrate temperature	23°C	40°C
Surface dry	2-3 min	20-40 sec
Through dry	4 min	1-2 min
Dry to recoat, minimum	4 h	4 h

The given data must be considered as guidelines only. The actual drying time/times before recoating may be shorter or longer, depending on film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc. A complete system can be described on a system sheet, where all parameters and special conditions could be included.

Typical paint system

Muki PVB 2-Pack	1 x 20-30µm
panel.)	

(Dry Film Thickness measured on a smooth test

Normally overcoated with a choice of systems based on alkyds chlorinated polymers, vinyl or epoxy resins.

Other systems may be specified, depending on area of use

Storage

The product must be stored below 25°C and in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.

Handling

Handle with care. Stir well before use.

Packing size

20 litre unit: 19.5 litres Comp. A. (base) in a 20 litre container and 0.5 litre Comp. B (curing agent) in a 1 litre container.

200 litre unit: 195 litres Comp. A. (base) in a 200 litre drum and 5 litres Comp. B. (curing agent) in a 5 litre container. or

1000 litre unit: 975 litres Comp. A. (base) in a 1000 litre container and 25 litres Comp. B. (curing agent) in a 25 litre container.

Packing may vary from country to country according to local requirements.

Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Material Safety Data Sheet.

DISCLAIMER

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product can be used under conditions beyond our control, we can only guarantee the quality of the product itself. We also reserve the right to change the given data without notice. Minor product variations may be implemented in order to comply with local requirements. If there is any inconsistency in the text the English (UK) version will prevail.

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